

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS PATENT OF THE UNITED STATES IS:

1. A laminated stator body for an electrical machine, in particular a turbogenerator, which laminated stator body is composed of a multiplicity of segmental laminations (1), each segmental lamination (1) being provided on its radial inside with slots (2) for accommodating conductor bars or conductor coils of a stator winding, wherein each segmental lamination (1) is provided on its radial outside with periodically distributed notches (3), the notches (3) of axially adjacent segmental laminations in the laminated stator body being arranged in alignment with one another.
2. The laminated stator body as claimed in claim 1, wherein the notches (3) end in a relief opening (4) at their radially inner end.
3. The laminated stator body as claimed in claim 1 or 2, wherein the number of notches (3) is twice as great as the number of slots (2).
4. The laminated stator body as claimed in claim 3, wherein the notch depth  $K_T$  is in the order of magnitude of 20% of the yoke height  $J_H$ .
5. The laminated stator body as claimed in claim 1 or 2, wherein the number of notches (3) is equal to the number of slots (2).
6. The laminated stator body as claimed in claim 5, wherein the notch depth  $K_T$  is in the order of magnitude of 40% of the yoke height  $J_H$ .
7. The laminated stator body as claimed in ~~one of the preceding claims~~ <sup>claim 1</sup>, wherein the notches (3) have a width of between 0.5 mm and 1 mm.

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25

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3

20

7.14

10

claim 1

Sub  
B1

add a'

Add  
B2